

## ABSTRACT OF THE DISCLOSURE

0991631-0270  
T02240 TEEET650

An optoelectronic apparatus for detecting objects in a monitored region includes a transmitter that emits transmission light, a receiver that receives a reflected light, and an evaluation unit, in which the transit time  $t_o$  of the transmission light that is guided in the monitored region and reflected back, as a reflected light, by an object is evaluated. The transmitter emits the transmission light in the form of a sequence of transmission light pulses. A portion of the light quantity of a transmission light pulse is coupled out as a reference transmission light pulse and guided by way of a reference path to the receiver. The transit time  $t_R$  of the reference transmission light pulse guided as a reference reflected light pulse to the receiver is determined in the evaluation unit. The transit-time difference  $t_o - t_R$  is used to determine the distance of an object.